



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

October 30, 2007

Ms. Melissa Berkebile  
The Reinforced Earth Company  
8614 Westwood Center Drive  
Suite 1100  
Vienna, VA 22182

Subject: Approval of The Reinforced Earth Company's Reinforced Earth System

Dear Ms. Berkebile:

The Geotechnical Engineering Unit (GEU) has fully approved The Reinforced Earth Company's Reinforced Earth System for use on North Carolina Department of Transportation (NCDOT) projects in accordance with the "NCDOT Policy for Mechanically Stabilized Earth Retaining Walls". This policy may be obtained from:

<http://www.ncdot.org/doh/preconstruct/highway/geotech/msewalls/>

While a Highway Innovative Technology Evaluation Center (HITEC) report is not available for the Reinforced Earth System, typical details, material specifications, example calculations and a field construction manual have been submitted and this approval is based on NCDOT's experience with the system before implementation of the NCDOT MSE Retaining Wall Policy in December, 2007.

The following materials are defined as miscellaneous components in accordance with NCDOT's Standard Mechanically Stabilized Earth Retaining Walls Special Provision.

- Rubber Bearing Pads
- Dowels for coping
- Tie Strips
- Fasteners (bolts and nuts)
- Filter Fabric

Miscellaneous components provided by The Reinforced Earth Company are required and approved for use. The provision may be obtained from:

<http://www.ncdot.org/doh/preconstruct/highway/geotech/provnote/>

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL ENGINEERING UNIT  
1589 MAIL SERVICE CENTER  
RALEIGH NC 27699-1589

TELEPHONE: 919-250-4088  
Fax: 919-250-4237  
  
Website: [www.ncdot.org/doh](http://www.ncdot.org/doh)

**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B-2  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

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Ms. Melissa Berkebile  
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If you have any questions, I can be reached at (919) 250-4088.

Sincerely,

A handwritten signature in black ink, appearing to read 'Njoroge W. Wainaina', written in a cursive style.

Njoroge W. Wainaina  
State Geotechnical Engineer

cc: K. J. Kim, Ph.D., P.E., Eastern Regional Geotechnical Manager (w/ submittal)  
John Pilipchuk, L.G., P.E., Western Regional Geotechnical Manager (w/ submittal)  
Don Moore, L.G., Geotechnical Contract Administrator (w/ submittal)  
Greg Perfetti, P.E., State Bridge Design Engineer  
Dave Henderson, P.E., State Hydraulics Engineer  
Cecil Jones, P.E., State Materials Engineer  
Rodger Rochelle, P.E., State Alternative Delivery Engineer  
Tommy Cozart, P.E., Special Design Engineering Supervisor  
Randy Garriss, P.E., State Contract Officer  
Mike Robinson, P.E., State Bridge Construction Engineer  
Bridge Maintenance Unit